

HI-Q

# LAKEHEAD AMATEUR RADIO CLUB BULLETIN



REPEATERS  
YQT 147.06  
FBR 146.82

CLUB STATION  
VE3 FW

FOUNDED 1934

INCORPORATED 1979

THE NEXT MEETING OF THE L.A.R.C. WILL BE HELD THURSDAY JULY 10,  
1986 AT THE E.M.O. BUILDING, CORNER OF WATERLOO/VICTORIA AVE AT  
7:30 PM. COFFEE, POP AND DONUTS WILL BE SERVED.

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### The Prez Sez

Summer is here and your new executive is on board. Election results brought forth a hard working, dedicated group which I am proud to be part of. Most of the executive pitched in immediately to clean up the tag ends and with the help of members the heliack and antenna installation on YQT was completed within a week of being elected. Also, the pressure has not eased with only two weeks to organize field day.

The heat (?) of summer also seems to fray nerves a bit and there has been cases of ruffled feathers on our repeaters. I am not trying to make light of the situation so lets all try to remember that the same operating principles, rules and behaviour that apply to H.F. also apply to 2 meters.

Commonly accepted repeater procedures are:

1. Identify at the commencement and completion of a contact or at least every 30 minutes.
2. Commercial traffic or use of all amateur bands is illegal.
3. Pause before keying up to allow for a break. You could be preventing an emergency transmission.
4. No mode or use has priority with the exception of emergency traffic. If both repeaters are busy with ragchewers and an autopatch is desired, request a short break and lets all exercise common courtesy.
5. Remember, there are a lot of scanners out there and some of our Tom Foolery, although good natured, may not be helping our Public Image.

73's Art VE3LNG

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### Dirty Laundry

The phantom has returned! Ed KRP is still looking for an elusive '66 mustang while Bob NHN is going for the mileage record in his. Skip BBS will soon be putting his quad up, then down, then up...Arnold JAA is learning strange things on 2 meters. Richard OPI's truck is allergic to bush roads. Iny OTV checks the Salt Mine Net regularly while Axel OPF sleeps. Pat PHU has the "life of ease" at Mirror Lake and checks in on YQT. Coral PHR QSOed a VR6 while she was sleeping (DX the easy way). JOHN OTI has joined HFS,NNR and IY in the sticks. Gary CK would rather be in Jordon, and also sports a "full size" quarter wave whip. Laurie BCD now

now holds a pilots licence in "Lilliput". Art LMG is QRT on HF as Vlad KRV's signal is now BIG BIG with new antennas. Tom CX was in Finland and has been sending some "spicey" postcards. Garnet AUP has been bitten by the "DX Bug". Frank OTZ has a new trailer to haul the clan camping. Pat HFS has some monobanders coming from the south. John W6LJW and Peter W6MAQ are up from Calif to check out TBR for Yaesu. Stan KRN is headed west in a wild Cougar carrying a HW-8. Glen JAU would like to get Pickle Lake in the air. John PHL and James JSC are the latest members of the TBR "late night nut club". Les JAJ is selling it all! John WF is recovering from the seamstress. John SRX Munched PHT and PHN and AUP out of house and home.

THE PHANTOM ALWAYS HEARS CUZ HE'S GOT BIG DIRTY EARS!!!

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#### Archives Update

In the last couple of months I have received some information and photos about the club's past. I will continue to look forward to collecting more photos and info from the members so if you have not checked your albums, shoeboxes, etc please do so and let me know what you have. Remeber I am looking for anything related to the club and/or its members, past and present. I would like copies of Hi-Q also to complete the set Frank AJ and Les AYZ have given me. Special thanks goes to Frank AJ and Les AYZ for their cooperation. Thanks also goes to Steve KRH, Al GOM and Bill EFC for their information and photos they have given so far.

As an added note, I am looking for a metal filing cabinet for the club station. Should you have one kicking around please let me know.

73's Glen JAU  
767-1749

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#### Hams in Need of Hands

It has been brought to the attention of the President that some HAMS who would like to stay active or get active can no longer do so because of various physical limitations and are no longer capable of maintaining some of their equipment such as towers and antennas by themselves.

In hope of keeping such HAMS on the air a section of the future L.A.R.C. meetings will be set aside so that such HAMS will be able to indicate that they do need help.

If you are one of these HAMS please by all means indicate that you do need help either during the HAM Help Section of the L.A.R.C. meetings or privately to Art VE3LMG. Once your request has been submitted a work party will be organized.

## New Hams

Congratulations goes out to Barb Eccles VE3ZRX who has now completed the Theory and Regulations of her licence and is now burning up the air on cw at Hillcrest Highschool and will soon be at the station on the Lakehead University campus in the fall.

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## The L.A.R.C. Officers for the year 1986-1987

The election of officers for 1986-1987 year resulted in the following appointments.

PRESIDENT  
VICE PRESIDENT  
SECRETARY  
TREASURER

ART MIOR VE3IMG  
L. WRIGHT VE3BBS  
L. IMMONEN VE3XT  
L. BRIDGETT VE3BCD

### DIRECTORS

D. PERSON VE3KRO  
B. BISHOP VE3JAB  
B. LAZINSKI VE3NHN  
G. ANDERSON VE3JAU

HI-Q EDITOR

G.B. WALKER VE3AUP

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## VE7EXPO

VE7EXPO is in full operation at the Canada Pavilion on the site of Expo 86 in Vancouver, B.C. The Honourable Marcel Masse, Minister of Communications, personally signed the licence of amateur radio station VE7EXPO, at EXPO 86 on May 1st. He called upon the station operators to contact the world. The licence was hand-typed as the DOC computers could not handle call signs with a four letter suffix. It was the first time he had ever had to personally sign a licence.

CARF NEWS SERVICE

May 30, 1986

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## KENORA'S SUMMER GET TOGETHER 86'

This is a personal invitation for all hams in your area to come up and enjoy Kenora's Summer Get Together 86'. This will be our 4th annual due with hopefully more amateurs and family in attendance. Last years numbers were abit over the 100 mark.

Weather permitting, we plan to have such events as baseball games, horse shoes, skits, sing-song, swap shop, and the QLF contest.

This event will take place on August 2,3, & 4th with most of the action occuring on Saturday. Heritage Place offers great facilities such as sewer and water, hydro, showers on the east side, washrooms a dining room and conference room if you require them. Fees are:

THE MINUTES OF THE L.A.R.C. MEETING FOR JUN. 12, 1986.

The meeting was opened at 7:32 PM by Tom VE3CX. Next the round table began.

- Richard VE3OPI put a motion forth that the price of the tickets for the 50/50 draw be raised from \$0.25 to \$1.00 and the motion was carried.
- The 50/50 draw was one this evening by Ed VE3KRP.
- There was discussion on the site for Field Day and Kakabeka was chosen.
- The financial statement for 1985-86 was read and a motion for acceptance was put forth by Les VE3JAJ, seconded by Bill VE3XJ, and carried.
- Skip VE3BBS brought up the idea of running a thank you ad in the local papers with a price limit of \$300.00.
- Skip VE3BBS also put forth a motion that the heliix be installed by commercial people. This motion was seconded by Les VE3JAJ and carried.
- The cost of the Code and Theory Courses was discussed and the membership decided to keep the cost at \$75.00 per student.
- Les VE3JAJ put forth a motion that twenty five course booklets be ordered along with one question booklet from the CRRL. This Motion was seconded and carried by Skip VE3BBS.

Secretary Leo VE3XT

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LAKEHEAD AMATEUR RADIO CLUB  
INCOME STATEMENT JUNE 12, 1986

OPENING BALANCE.....1796.14

REVENUES

Membership Dues.....1375.00  
Special Events.....4747.83  
Other.....3647.47  
Total.....9770.30

EXPENSES

Administrative..... 580.89  
Hi-Q..... 578.38  
Telephone..... 313.80  
Special Events..... 917.47  
Other.....2360.86  
Total.....9751.40

INCREASE.....18.90

CLOSING BALANCE.....1815.04

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BANK ACCOUNT.....1866.88  
Less Outstanding Chq...-113.19  
New Balance.....1753.69  
Plus Petty Cash..... 61.35  
Total.....1815.04.....1815.04

I certify that the above represents the present financial status of the Lakehead Amateur Radio Club and that these figures have been checked by two other members of the club.

### The Fresh Air and Red Oak Triathalon

As some of you may have heard the Radio Operator side of the Fresh Air and Red Oak Triathalon went very well. The triathalon that included a 1 Km swim, 70 Km bicycle race, and an 8 mile run was monitored at 3 check-points by local hams. 6 of the operators reported action on VE3YQT and the remaining 2 operators reported to Art VE3LMG on .94 simplex. All in all the race went well for hams and I would like to now thank the following hams for their time and efforts.

VE3ARN - Bill Roberts - YQT  
VE3BQR - Bill Bolland - YQT  
VE3OPI - Richard Barry - YQT  
VE3JQ - Keith Fiske - YQT  
VE3LMG - Art Mior - 6.94 simplex controller  
VE3JAJ - Les Brown - YQT  
VE3KRH - Steve Robb - YQT  
VE3PHL - John Kuzma - 6.94 simplex  
VE3AUP - Garnet Walker - 6.94 simplex

Until August 14, Best 73's to All,  
Skip VE3BBS

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### The Saltmine Net

The Saltmine Net received a total of 242 checkins on VE3TBR from the second of July to the twentyfirst of July.

On the twentyfirst of July the Saltmine Net moved to VE3YQT so as to extent coverage and received 85 checkins from the twenty first to the twenty fifth of July.

There were also a couple of days when the Saltmine Net ran on both VE3YQT and VE3TBR with one Net controller (Arnold VE3JAA).

The Saltmine Net Controller Arnold VE3JAA is going to be absent for a while during the month of August but a generous ham (Keith Fiske VE3JQ) has kindly volunteered to control the Net in Arnolds absence.

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### The Campers Call Net

The Campers Call Net also run by Arnold VE3JAA premiered during the month of July. The Net runs Monday, Wednesday, and Friday on VE3YQT at 10 A.M. and 5 P.M. aswell as at 5 P.M. on Saturdays. The Net which was started to pass traffic between camping and non camping Hams and non hams is acording to it's controler going to be discontinued due to lack of traffic.



CRL-CARF Joint Comments on DOC Discussion Paper on a Possible Restructuring of the Amateur Service in Canada. (Copy courtesy of CRL)

Before the  
DEPARTMENT OF COMMUNICATIONS  
Ottawa, Ontario K1A 0G8

Discussion Paper on a  
Possible Restructuring of  
the Amateur Radio Service  
in Canada

To: The Director-General, Radio Regulatory Branch

JOINT COMMENTS OF  
THE CANADIAN AMATEUR RADIO FEDERATION, INC.  
THE CANADIAN RADIO RELAY LEAGUE, INC.

A. Introduction

The Canadian Radio Relay League, Inc. and the Canadian Amateur Radio Federation, Inc., herein referred to as the "national organizations", principal representatives of over 20,000 radio amateurs licensed by the Department of Communications, respectfully submit these joint comments in response to the Department's Discussion Paper on a Possible Restructuring of the Amateur Radio Service in Canada.

Over the past six months, the national organizations have been flooded with comments on the Discussion Paper. These comments have come from individual amateurs and from amateur radio clubs and groups. The national organizations found that there was widespread support for the Department's objectives. However, the comments seemed to offer as many ways to reach those objectives as there were comments. For this reason, the national organizations used the comments first to identify the needs of the amateur radio community. Then, mindful of those needs, the needs of the Department, the Department's own proposals, and suggestions from the amateur radio community, the national organizations proceeded to develop a proposed structure that would meet all needs and incorporate the best of the proposals and suggestions.

In a restructured Amateur Service, the needs of the amateur radio community would include the following:

1. More and younger radio amateurs,
2. High standards for all classes of certificate,
3. Strong incentives to upgrade to the highest-class certificate,
4. A continuing role for Morse code,

5. A continuing stress on the experimental side of amateur radio; this would preclude any ban on the use of homebuilt or modified commercial transmitting equipment,
6. Compatibility with structures in jurisdictions with which Canada has reciprocal operating agreements, and
7. Viability in the eyes of the international amateur radio community.

The needs of the Department would include the following:

1. Ease of entry into the Amateur Service,
  2. Simplicity, resulting in less administration and lower costs,
  3. Recognition of the fact that many amateurs and prospective amateurs are more interested in "communicating" than in the technical aspects of amateur radio, and
  4. A structure that will remain viable into the next century.
- The national organizations believe that the structure described below will meet these needs.

B. Proposed Structure

Outline:

The entry-level certificate would be called Certificate B or the Basic Certificate.

There would be a written test based on 40 hours of study of basic electronic theory, basic electronic circuits, receiving and transmitting systems, antennas and propagation, station setup and operation, and interference prevention, as well as a regulations test.

Holders of Certificate B

would be permitted to use all modes on amateur frequencies above 30 MHz.

Holders of Certificate B would be limited to 100 watts to the final stage of the transmitter, and would not be permitted to become licensees of repeater or remote-base stations.

Homebuilt or modified commercial transmitting equipment would be permitted.

The 144-148 MHz band to ensure that these amateurs come into contact with good operators who would serve as role models. Limiting these amateurs to 120 MHz and above, for instance, would create a " ghetto" where they would likely develop operating procedures at variance with established practice.

Power might be expressed in terms of "watts output". "Watts output" is more common on VHF-UHF bands. 100 watts input (about 50 watts output) permits the use of most commercially-built VHF-UHF transmitters currently on the market. It is also adequate power for satellite communications.

"Repeater stations" would not include "dispeakers" which do not transmit and receive simultaneously.

Amateur radio publications constantly encourage building and modifying equipment, including transmitting equipment. It is an amateur radio tradition. A rule specifying commercial transmitting equipment, even for holders of Certificate B, would violate that tradition. It would suggest to newcomers that knowing how to build or modify equipment was not important. It would downgrade the Canadian Amateur Service in the eyes of the international amateur radio community. Even though new amateurs would take advantage of being able to build or modify transmitting equipment, amateurs feel strongly that they should always have that option.

As described, Certificate B would satisfy those who see a need for an attractive no-code entry-level certificate.

A 7 W.P.M. Morse Code  
Endorsement would be  
offered for Certificate B.

This could merit a separate certificate. However, such a certificate would have no value unless used in conjunction with a Certificate B. It would simply act as an endorsement on Certificate B and confer additional privileges. We propose to present it for what it is - an endorsement. 7 W.P.M. is psychologically good. With 12 W.P.M. for the highest-class certificate, it would preserve the 5 W.P.M. differential between the present Amateur and Advanced code requirements. It is 7 W.P.M. faster than what is required for the U.S. Novice and Technician-class licenses. It would justify more generous privileges.

Holders of Certificate B with

a Code Endorsement would be permitted to use radioteletype and radioteletype on amateur frequencies below 30 MHz, and radiotelephony in the 28-29.7 MHz amateur band.

Holders of Certificate B with a Code Endorsement would be permitted 250 watts input to the final stage of the transmitter.  
Rearbuilt or modified commercial transmitting equipment would be permitted.

The highest-class and only other certificate would be called Certificate A or the Advanced certificate. There would be a written test based on 20-30 hours of study of advanced electronic theory, receiver and transmitter circuitry, and

for holders of Certificate B with a Code Endorsement. Access to entire bands would be given to holders of Certificate B who could contact with good operators who would serve as role models. Such contacts would lead to greater proficiency in Morse code and promote further upgrading.

Fourteen jurisdictions around the world give holders of entry-level certificates radiotelephony privileges in the 28-29.7 MHz band. Such privileges are being considered in the U.S. In this structure, such privileges would be a strong incentive for obtaining a Code Endorsement and joining the National Association of Amateur Radio. They would also give beginning amateurs a sample of privileges available with the highest-class certificate and promote further upgrading.

Another reason to obtain a Code Endorsement, 250 watts input permits the use of most commercially-built HF transmitters currently on the market. It is more than adequate power for worldwide communications.

Certificate B with a Code Endorsement would satisfy those who see a need for a licensed hobby-type entry-level certificate. It would be a Code Endorsement with a Code Endorsement would be in excess of requirements for a U.S. Technician-class license. This would permit operation in the 0.5 under the Canada-U.S. Convention.

Two certificates: less administration and lower costs. Advanced is familiar terminology.

antenna systems. There would be a Morse code test at 12 W.P.M.

Holders of Certificate A would be permitted to operate all modes on all amateur bands using maximum legal power. They would be permitted to become licensees of repeater or remote-base stations.

A candidate for Certificate A with no previous accreditation would be permitted to try the written tests for Certificate B and the written and Morse code tests for Certificate A at a single sitting. Upon passing, the candidate would be granted Certificate A. There would be no time limit on the validity of any certificate.

C. Compatibility with Present Certificates  
1. Holders of the present Amateur certificates would be deemed to have the same qualifications and be given the same privileges as holders of Certificate B with a Code Endorsement, except that the right to use maximum legal power and any privileges permitted by an endorsement (such as 160-metre radiotelephone privileges) would continue.

2. Holders of the present Advanced certificate would be deemed

privileges upon demonstrating proficiency in Morse code. Second, the privileges granted were so generous that they seemed to be no incentive to upgrade. The Department's highest-class certificate, Certificate C, to many amateurs, this left the ultimate quality of the Canadian Amateur Service in doubt. For these reasons, we would like the advanced written test and the 12 W.P.M. code test for Certificate A.

Here is the incentive to upgrade. There would be no requirement that a candidate for Certificate A have operated for one year, etc.

This would simplify the Department's bookkeeping.

to have the same qualifications and be given the same privileges as holders of Certificate A.

3. Holders of the present Digital certificate would be given the same privileges as holders of Certificate B, except that the right to use maximum legal power would continue. Holders of the present Digital certificate would be deemed to have all qualifications for Certificate A except the code. They could qualify for Certificate A upon completion of the 12 W.P.M. code test.

The national organizations realize that some of the above recommendations may be difficult to implement. The Department may have no choice other than to give a Certificate A to every holder of the present Amateur certificate. The national organizations have a concern that this may cause resentment among amateurs who received their full privileges only after considerable extra study and a second examination. Whatever the Department decides, it will be important that no amateur, as a result of restructuring, lose any privilege that he or she previously enjoyed.

D. Conclusion  
The national organizations offer this proposal as a point of departure for future discussions with the Department. There is a strong hope that the Department will involve the national organizations in every aspect of the development of a restructured Amateur Service, including the syllabus for examinations.  
The Canadian Radio Relay League, Inc. and the Canadian Amateur Radio Federation, Inc. would like to thank the Department of Communications for its continued interest in the welfare of the Amateur Service, and for this opportunity to help shape its future. Respectfully submitted,

*R. W. L.*  
Ronald Walsh, VE3IOW  
President, The Canadian Amateur Radio Federation, Inc.

1986 May 10





To be filled out and returned to VE3HTM

STATION CALL LETTERS .....

PRESENT SPEED DIAL NUMBER .....

NAME .....

HOME TELEPHONE NUMBER ..... Note: This will automatically be assigned the first space in the ten allowed.

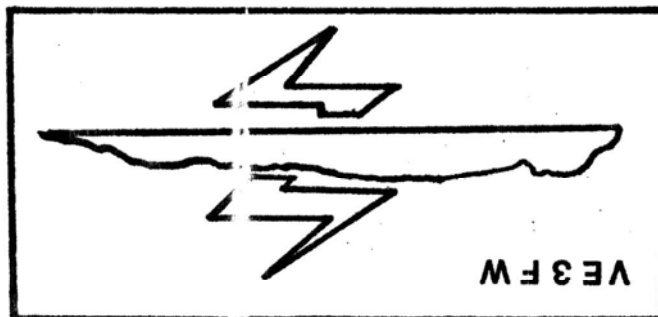
<u>FUNCTION</u>	<u>ID</u>	<u>TELEPHONE NUMBER</u>
* 2	.....	.....
* 3	.....	.....
* 4	.....	.....
* 5	.....	.....
* 6	.....	.....
* 7	.....	.....
* 8	.....	.....
* 9	.....	.....
* 0	.....	.....

P L E A S E  
P R I N T  
C L E A R L Y

Please allow John the time to enter these numbers in the computer. You don't have to use all ten numbers, and further numbers can be added at a later date. Please attempt to keep the CW ID you request as short as possible and still be understood. Remember only you have the codes 2-0. They will not be published and it is up to you to maintain your own directory. Please duplicate the numbers below in the space provided and tear off for your retention.

	<u>CW ID</u>	<u>TELEPHONE #</u>
HOME TELEPHONE NUMBER	* 1	.....
	* 2	.....
	* 3	.....
	* 4	.....
	* 5	.....
	* 6	.....
	* 7	.....
	* 8	.....
	* 9	.....
	* 0	.....

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LAKEHEAD AMATEUR RADIO CLUB  
P.O. BOX 2571  
THUNDER BAY, ONTARIO  
P7B 5G1



TO:

Mr. L. Scalese VE3NHX  
237 Dennis St.  
THUNDER BAY, Ont. P7B 5H7

HI-Q

FIRST CLASS